

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/008992

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl' A61K31/137, 31/045, 31/047, 31/05, 31/137, 31/167, 31/185, 31/27, 31/4402, 31/47, 31/56, 45/00, A61P17/00, 23/00, 29/00, 31/00, 43/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl' A61K31/137, 31/045, 31/047, 31/05, 31/137, 31/167, 31/185, 31/27, 31/4402, 31/47, 31/56, 35/78, 45/00, A61P17/00, 23/00, 29/00, 31/00, 43/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

REGISTRY (STN), CAPLUS (STN), MEDLINE (STN), EMBASE (STN), JOIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2002-284702 A (Teika Seiyaku Kabushiki Kaisha), 03 October, 2002 (03.10.02), All references (Family: none)	1, 2, 5-7, 9, 11 9-11, 13
Y	JP 9-176014 A (Taiho Pharmaceutical Co., Ltd.), 08 July, 1997 (08.07.97), Particularly, Par. Nos. [0002] to [0004] (Family: none)	1-13
Y	JP 3-38522 A (Maruho Kabushiki Kaisha), 19 February, 1991 (19.02.91), Particularly, page 2, lower left column to lower right column (Family: none)	1-13

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
06 August, 2004 (06.08.04)Date of mailing of the international search report  
14 September, 2004 (14.09.04)Name and mailing address of the ISA/  
Japanese Patent Office

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 10-265377 A (Pola Chemical Industries Inc.), 06 October, 1998 (06.10.98), Particularly, Par. No. [0002] (Family: none)	1-13
Y	Iscan G, Kirimer N, Kuerkcueoglu M, Baser K H C, Demirci F. Antimicrobial Screening of <i>Mentha piperita</i> Essential Oils, <i>Journal of Agricultural and Food Chemistry</i> , 2002, Vol.50, pages 3943 to 3946. Particularly, page 3945, table 2	1, 2, 4-13
Y	WO 2001/095718 A1 (MATIAS, Jonathan, R.), 20 December, 2001 (20.12.01), Particularly, page 4, line 22 to page 5, line 4; page 6, lines 1 to 8; page 10, line 28 to page 11, line 9; pages 11 to 13, examples 1, 3 & US 2002/0022044 A1 & EP 1289361 A1	1-13
Y	Nobuyuki K, Makoto M, Ryuichiro K, Yoshimasa T. Antifungal Activity of Components of Essential Oils, <i>Agric Biol Chem</i> , 1981, Vol.45, No.4, pages 945 to 952. particularly, page 948, table 3; page 949, table 4; page 950, table 5	1, 2, 4-13
Y	Pattnaik S, Subramanyam V R, Bapaji M, Kole C R. Antibacterial and antifungal activity of aromatic constituents of essential oils, <i>Microbes</i> , 1997, Vol.89, pages 39 to 46. particularly, page 43, table 4; page 44, table 5	1, 2, 4-13
Y	JP 2000-128801 A (Lotte Co., Ltd.), 09 May, 2000 (09.05.00), Particularly, Par. Nos. [0045] to [0049] (Family: none)	1, 2, 4-13
Y	Ali-Shtayeh M S, Al-Nuri M A, Yaghmour R M R, Faidi Y R. Antimicrobial activity of <i>Micromeria nervosa</i> from the Palestinian area, <i>Journal of Ethnopharmacology</i> , 1997, Vol.58, pages 143 to 147. particularly, page 146, table 1	1-13
Y	Edited by Kagaku Daijiten Henshu Iinkai, Kagaku Daijiten 5 reduced-size edition, Kyoritsu Shuppan Co., Ltd., 15 February, 1987 (15.02.87), page 909	1-13

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**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 8-151324 A (Sunstar Inc.), 11 June, 1996 (11.06.96), Particularly, Par. No. [0007] (Family: none)	1-13
Y	JP 7-223971 A (Pola Chemical Industries Inc.), 22 August, 1995 (22.08.95), Particularly, Par. Nos. [0002] to [0004], [0012] (Family: none)	9, 12, 14